Does a positive lymphocyte cross-match contraindicate living-donor liver transplantation?

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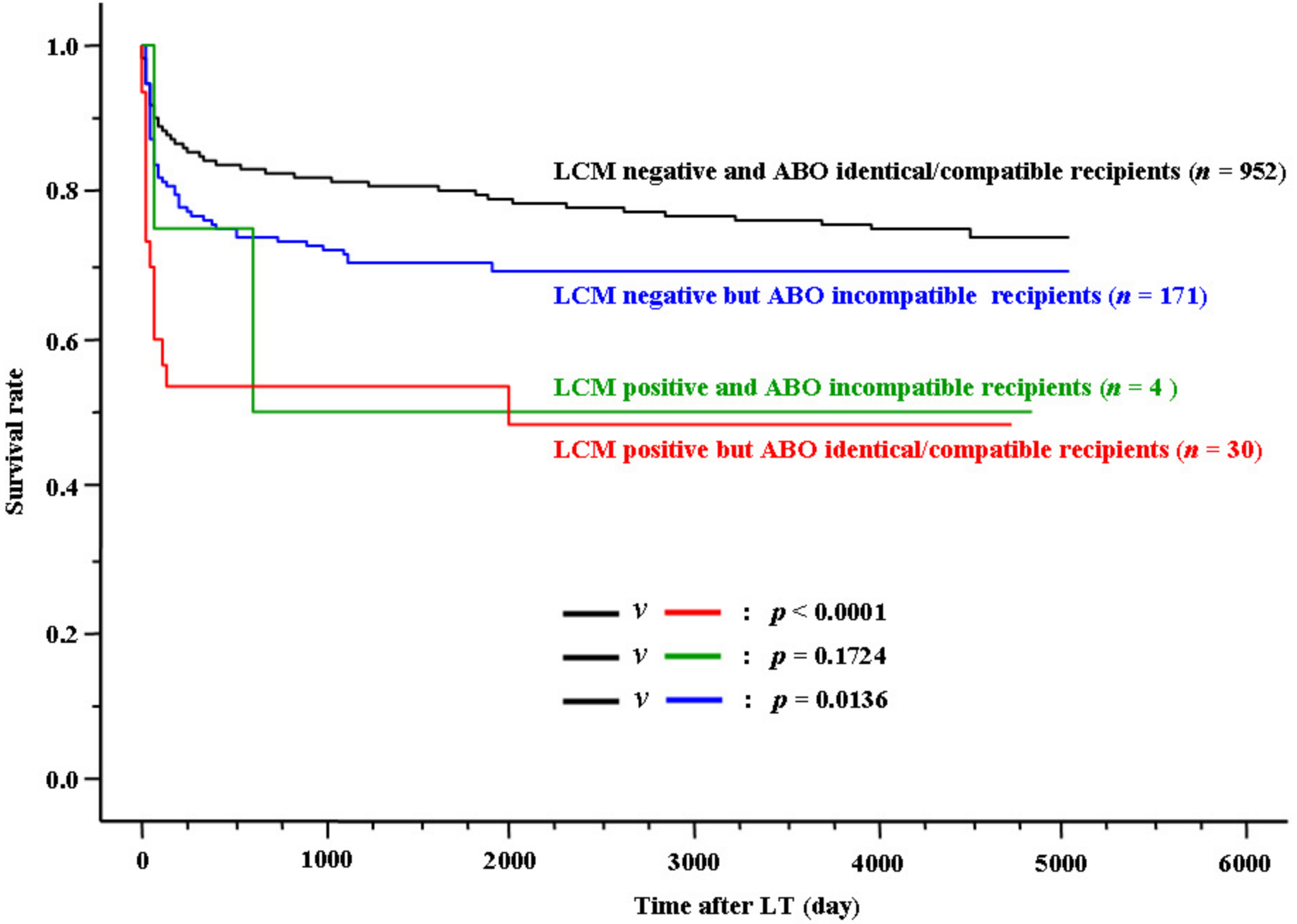

Table 1. Univariate and multivariate analyses of each factor for LDLT outcomes

Univariate analysis		***p* values**
Early deaths after LDLT (*n*=276)		
LCM-positive and ABO-identical/compatible	vs. LCM-negative and ABO-identical/compatible	0.0119 *
LCM-negative and ABO-incompatible	vs. LCM-negative and ABO-identical/compatible	0.2886
LCM-positive and ABO-incompatible	vs. LCM-negative and ABO-identical/compatible	0.5568

Multivariate analysis	***p* values**
Factors before and during LDLT for the outcomes (*n*=1157)	
Recipient age (years)	<0.0001 *
Disease (benign vs. malignant)	<0.0001 *
MELD/PELD scores (points)	<0.0001 *
LCM (positive vs. negative)	0.0320 *
ABO compatibility (incompatible vs. identical/compatible)	0.0010 *
Donor age (years)	0.1534
Cold ischemic time (min)	0.3375
Operative time (min)	0.2390
Blood loss (ml)	0.0601
GRWR	0.0004 *
Effects of LCM and ABO compatibilities on the survival rates after LDLT (*n*=1121)	
LCM (positive vs. negative)	0.0006 *
ABO compatibility (incompatible vs. identical/compatible)	<0.0001 *
Synergetic effect between both factors	0.1755

Note: *Statistically significant (p <0.05).

Abbreviations: GRWR, graft-recipient weight ratio; LCM, lymphocyte cross-match; LDLT, living-donor liver transplantation; MELD, model for end-stage liver disease; PELD, pediatric end-stage liver disease.